



INSTITUTIONAL ASSESSMENT AND ACCREDITATION
(Effective from July 2017)

Accreditation - (Cycle - 2)

PEER TEAM REPORT ON
INSTITUTIONAL ACCREDITATION OF
SRI RAMAKRISHNA ENGINEERING COLLEGE
C-37089

Coimbatore
641022

~~(Draft)~~

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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission
P.O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072, INDIA

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Section I: GENERAL INFORMATION

1.Name & Address of the institution:	SRI RAMAKRISHNA ENGINEERING COLLEGE Coimbatore Tamil Nadu 641022	
2.Year of Establishment	1994	
3.Current Academic Activities at the Institution(Numbers):		
Faculties/Schools:	2	
Departments/Centres:	16	
Programmes/Course offered:	19	
Permanent Faculty Members:	275	
Permanent Support Staff:	150	
Students:	4327	
4.Three major features in the institutional Context (Asperceived by the Peer Team):	1. 1. Creation of Competence Groups 2. 2. Well structured Examination System 3. 3. Mechanism for Slow learners	
5.Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	Visit Date From : 16-12-2021 Visit Date To : 17-12-2021	
6.Composition of Peer Team which undertook the on site visit:		
	Name	Designation & Organisation Name
Chairperson	DR. A K D DWIVEDI	Director,NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION TECHNOLOGY
Member Co-ordinator:	DR. NARAYAN SINGH PANWAR	Dean,Hnb Garhwal Central University
Member:	DR. PROF SANJEEV KUMAR SHARMA	Director,Panjab University
NAAC Co - ordinator:	Dr. N R Mohan	

Dr. A K D Dwivedi
17/12/2021

Dr. N R Mohan
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Section II: CRITERION WISE ANALYSIS

Observations (Strengths and/or Weaknesses) on each qualitative metrices of the key Indicator under the respective criterion (This will be a qualitative analysis of descriptive nature aimed at critical analysis presenting strength and weakness of HEI under each criteria)

Criterion 1 - Curricular Aspects (Key Indicator and Qualitative Metrices(QIM) in Criterion 1)	
1.1	Curriculum Design and Development
1.1.1 QIM	Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.
1.2	Academic Flexibility
1.3	Curriculum Enrichment
1.3.1 QIM	Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum
1.4	Feedback System

Qualitative analysis of Criterion 1

1. The PEOs, PSOs and COs are designed in consonance with graduate attributes of Washington Accord and National Board of Accreditation.
2. The Choice Based Credit System is followed ensuring opportunities for the students to learn courses of their interest, relevant to the global, national, regional and local needs.
3. Industry has representation in the course content and deliverance.
4. The curricula structure is as per the AICTE model curriculum with focus on holistic development of the students.
5. Adequate focus on skill development, employability and entrepreneurship

Open elective courses and one credit courses offered.

1. Introduction of employability enhancement courses in the curriculum with credits
2. weightage for project based learning to improve skill development and practical orientation
3. Inclusion of life skills like – Yoga and Meditation to enhance well being
4. Option for the students to learn foreign languages - German, French and Japanese
5. Inclusion of core courses in energy and society, engineering and society, green and sustainable development, biomedical waste management for instilling environmental sustainability habits.
6. Inclusion of Universal Human Values and Ethics during the induction programme

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Criterion2 - Teaching-learning and Evaluation (Key Indicator and Qualitative Metrics(QIM) in Criterion2)	
2.1	Student Enrollment and Profile
2.2	Catering to Student Diversity
2.2.1 QIM	The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners
2.3	Teaching- Learning Process
2.3.1 QIM	Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences
2.3.2 QIM	Teachers use ICT enabled tools including online resources for effective teaching and learning process.
2.3.4 QIM	Preparation and adherence of Academic Calendar and Teaching plans by the institution
2.4	Teacher Profile and Quality
2.5	Evaluation Process and Reforms
2.5.3 QIM	IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in Examination Management System (EMS) of the Institution
2.6	Student Performance and Learning Outcomes
2.6.1 QIM	Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.
2.6.2 QIM	Attainment of programme outcomes and course outcomes are evaluated by the institution.
2.7	Student Satisfaction Survey

Qualitative analysis of Criterion 2

1. The learning is student centric and participative 2. Communication skills imparted through BEC certification of Cambridge University. 3. Slow learners and those from rural background are identified and given additional inputs. 4. Mentoring system developed. 5. Few innovations in learning and assessment like provision for slow paced learners through additional inputs with remedial classes.	
1. Periodic Student's feedback obtained and remedial actions taken through structured mechanism 2. Adequate focus on developing problem solving capacities in the students.	

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3. Course Registration with the faculty members of their choice.
4. Choice of selecting courses from NPTEL/SWAYAM/GIAN.
5. Additional reading and class discussions on important topics.

1. ICT tools and online resources are utilized for a paced learning and self-learning.
2. Automation of course registration, examination registration
3. online examinations and result publication through website and also through mobile app.
4. Use of flipped classroom for some courses.
5. Classroom sessions recorded and shared with the students online.
6. remote access of E-books and E-journals of the Central Library.

1. Academic Schedule developed and shared with the students and is available on college website.
2. Academic Schedule duly adhered to
3. Institution follows academic calender prepared by Departments and include various activities.

1. Online course registration and credit transfer.
2. Internal assessment, question paper setting, scrutiny of the answer key done through moderation.
3. Examination audit on the question paper quality and evaluation transparency.
4. Provision for reevaluation.
5. IT integrated into the examination system.
6. Answer solutions made available to teachers and students online to ensure transparency and uniformity.
7. Results available online to both students and their parents.

1. Prominent display of PO, PSO and

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CO at designated places and the website for access to various stakeholders	
2. PO, PSO and CO are reflected in the Syllabus.	
3. Teachers and students are duly communicated the PO, PSO and Cos.	
1. Attainment of PO, PSO and CO Monitored by the Department Advisory Board	
2. Evaluation through both direct and indirect measures	
3. Remedial measures taken to further improve PO attainments every year	
4. System in place for determining attainment of Course Outcomes	

Criterion3 - Research, Innovations and Extension (Key Indicator and Qualitative Metrics(QIM) in Criterion3)

3.1	Promotion of Research and Facilities
3.1.1 QIM	The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented
3.2	Resource Mobilization for Research
3.3	Innovation Ecosystem
3.3.1 QIM	Institution has created an eco system for innovations, creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, Incubation etc.
3.4	Research Publications and Awards
3.5	Consultancy
3.6	Extension Activities
3.6.1 QIM	Extension activities are carried out in the neighbourhood community,-sensitising students to social issues, for their holistic development, and impact thereof during the last five years
3.7	Collaboration

Qualitative analysis of Criterion 3

1. Adequate provision of funds for updation of research facilities.	
2. Development of research culture through handholding and providing avenues for seminar participation and preparing project proposals.	
3. Facility for characterization and synthesis of nano- materials and nanotechnology exists.	
4. Monthly incentives provided to University recognized Research	

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supervisors.

5. Incentive mechanism developed for Chief/Coaches/Investigators of research projects.

1. College has Collaborative Innovation Cell with star rating approved by Ministry of Education, GOI.
2. Institution has mechanism for transfer of technologies of developed products/ prototypes to the industry.
3. Focus on interdisciplinary research with faculty across multiple domains like Materials Engineering, Internet of Things and Embedded System, Artificial Intelligence and Data Science forming groups.
4. Research ideas and preparation of research compendium.
5. Industry consultancy, sponsored research and technology transfer are steered by the office of the industry connect cell.
6. Development of innovation eco system motivating the students towards problem solving and developing research aptitude.
7. Institution Research Fellowship to some of the full time research scholars.
8. Seed money for research promotion, collaborative research with institutions of eminence resulting in project funding from DST under SERB-TARE.
9. Seed money for development of POC and innovation resulting in the grant of three patents and technology transfer.
10. Industry sponsored Centres of Excellence with Altran Technologies, Coimbatore, Wipro GE Healthcare.

1. Adoption of five villages in the neighbourhood under the UBA scheme.

2. NSS and NCC Volunteers visiting neighborhood for health awareness and cleanliness drives.
3. College health facilities also shared with the neighbourhood.
4. Jal Shakti Abhiyaan actively pursued
5. Swachh Bharat Abhiyaan actively undertaken in the college.
6. Social Development Clubs in each department.
7. Active Youth Red Cross organises Blood donation camps, organ donation awareness camps.
8. Women Empowerment Cell and IEEE conducts gender sensitization programmes.

Criterion4 - Infrastructure and Learning Resources (Key Indicator and Qualitative Metrics(QIM) in Criterion4)

4.1	Physical Facilities
4.1.1 QIM	The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.
4.1.2 QIM	The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)
4.2	Library as a Learning Resource
4.2.1 QIM	Library is automated using Integrated Library Management System (ILMS)
4.3	IT Infrastructure
4.3.1 QIM	Institution has an IT policy covering wi-fi, cyber security, etc., and allocated budget for updating its IT facilities
4.4	Maintenance of Campus Infrastructure
4.4.2 QIM	There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Qualitative analysis of Criterion 4

1. The infrastructure established in an area of 42.24 acres fully developed with adequate facilities.
2. Good infrastructure facilities including the research labs supported by DST – FIST, TDB and AICTE through research promotion and modernization of laboratory funds.
3. Major facilities available include

eleven seminar halls, one auditorium, lecture halls and tutorial halls.

4. Every department of well stocked library and labs.
5. Campus wide internet connectivity with Wi-Fi.
6. 24/7 ambulance service and health centre, ATM, Book Depot within the campus.
7. Adequate Transport facility from the city for students, staff and the faculty.

1. Fully developed athletic track, gymnasium, basketball, handball courts
2. Functional multi-cuisine food court.
3. Gymnasium, Yoga Centre along with the instructor and the active Yoga club
4. Adequate provision for extracurricular activities
5. scholarship for the sports achievers

1. Equipped with LMS software with web based platform.
2. OPAC facilities available.
3. Well equipped digital library.
4. Students and faculty have remote access to online journals and books
5. Spacious learning center with around 82000 volumes and 3000 e journals, e-books with remote access facilities.
6. Library Advisory Committee functional.

1. The college has well, defined IT Policy
2. High end data computation facilities
3. Leased line of 360 Mbps.
4. Wifi enabled campus.
5. Periodical updation of IT infrastructure.

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6. Budgetary provision for updating and maintenance of IT infrastructure	
1. Established procedure for maintenance and utilization of available facilities.	
2. Records duly maintained and provisions in place for writing off and modernization of obsolete equipments.	
3. Electrical department professionally managed.	
4. Solar Energy system is in place and its capacity being enhanced	
5. STP and water harvesting mechanism developed.	

Criterion5 - Student Support and Progression (Key Indicator and Qualitative Metrics(QIM) in Criterion5)

5.1	Student Support
5.2	Student Progression
5.3	Student Participation and Activities
5.3.2	Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution
QIM	
5.4	Alumni Engagement
5.4.1	The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.
QIM	

Qualitative analysis of Criterion 5

1. Departmental level student advisory council. 2. No structured student council at College level. 3. Students involvement through various clubs and activity based projects. 4. Student representation at the Academic Council, Library Advisory Committee, Grievance Redressal and Anti-Ragging Committees, Hostel Advisory Committees. 5. Mentoring Support is offered with an average mentor -mentee ratio of 1:20. 6. Extensive support is provided to avail scholarships both from Government and other channels.	h2 NA Alankar Signature 16/12/21
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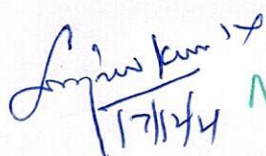
7. The Career Development and Placement Division provide training to prepare the students for placements.

1. College has a registered alumni association having well drafted byelaws; with 10,000 plus members
2. Chapters in Major South Indian cities and 2 centres abroad.
3. Annual Alumni meetings held regularly with adequate participation.
4. Vibrant Alumni Association with duly elected office bearers.
5. Alumni has representation in departmental, industry advisory committees and Board of Studies.
6. The alumni support the students with scholarship through endowments, internships opportunities, mock interviews, placements and mentorship.
7. The activities of the Fine Arts Club are supported through sponsorship and awards instituted by the alumni for best performers.

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Sanjay Kumar
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Criterion6 - Governance, Leadership and Management (Key Indicator and Qualitative Metrics(QIM) in Criterion6)	
6.1	Institutional Vision and Leadership
6.1.1 QIM	The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution
6.1.2 QIM	The effective leadership is reflected in various institutional practices such as decentralization and participative management.
6.2	Strategy Development and Deployment
6.2.1 QIM	The institutional Strategic / Perspective plan is effectively deployed
6.2.2 QIM	The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.
6.3	Faculty Empowerment Strategies
6.3.1 QIM	The institution has effective welfare measures for teaching and non-teaching staff and avenues for career development/ progression
6.4	Financial Management and Resource Mobilization
6.4.1 QIM	Institution conducts internal and external financial audits regularly
6.4.3 QIM	Institutional strategies for mobilisation of funds and the optimal utilisation of resources
6.5	Internal Quality Assurance System
6.5.1 QIM	Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes visible in terms of – Incremental improvements made for the preceding five years with regard to quality (in case of first cycle) Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)
6.5.2 QIM	The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Qualitative analysis of Criterion 6	
1. The college has a participative management and delegation of authority mechanism. 2. Adequate financial support for the academic and administrative infrastructure by the management trustees. 3. Well developed vision and mission	  



of the college, duly shared with the faculty.

4. System, processes and procedures for imparting quality education in place.
5. Faculty is actively involved in decision making process through participation in various committees like Anti Ragging, Planning and Monitoring Committee, Internal Quality Assurance Cell, Research Committee, Programme Assessment Committee etc.

1. Regular meetings of the trust, management and the HODs
2. Decentralisation of administrative powers with respective Head of the Departments.

1. Industry interface team established for the college.
2. Different competency domains established with faculty drawn from different fields.
3. Strategy Development through participation of various stakeholders.

1. Committee meetings conducted regularly
2. Faculty participation in decision making bodies of the institution like Governing council, Academic council, Board of studies etc.
3. Coordination of Academic and Administrative planning and implementation established through IQAC.

1. Policies regarding employee welfare framed and adhered to
2. Faculty encouraged to participate in seminars /workshops for career progression
3. Policy for career development and progression is available
4. Adequate Medical and transport facilities available at subsidized rates



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5. Provisions regarding CL, Medical Leave and maternity leaves documented and adhered to. 6. Skill enhancement training for non-teaching staff.	
1. College conducts internal and external audits regularly. 2. Audit reports presented to the concerned bodies. 3. Annual stock verification of departments and library conducted regularly.	
1. Monitoring mechanism through ISO Audit, Academic audit, etc in place.	
1. Major source of revenue is tuition fee. 2. Finance Committee/Governing council allocates budget based on requirements. 3. Small earnings through industrial consultancy.	
1. IQAC conducts orientation/ induction programmes for new teachers. 2. AQAR reports submitted regularly. 3. Incremental improvements noticed.	
1. IQAC reviews teaching learning process with each course file being audited by IQAC 2. Academic Audit undertaken after completion of each semester 3. IQAC formulates norms for recognition of NPTEL/SWAYAM courses 4. Student feedback collected and monitored regularly	

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Criterion7 - Institutional Values and Best Practices (Key Indicator and Qualitative Metrics(QIM) in Criterion7)	
7.1	Institutional Values and Social Responsibilities
7.1.1 QIM	Measures initiated by the Institution for the promotion of gender equity during the last five years.
7.1.3 QIM	Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words) • Solid waste management • Liquid waste management • Biomedical waste management • E-waste management • Waste recycling system • Hazardous chemicals and radioactive waste management
7.1.8 QIM	Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).
7.1.9 QIM	Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).
7.1.11 QIM	Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).
7.2	Best Practices
7.2.1 QIM	Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.
7.3	Institutional Distinctiveness
7.3.1 QIM	Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Qualitative analysis of Criterion 7

1. Women empowerment cell created for gender sensitization and self reliance.
2. Girl students given equal representation in curricular and extra curricular activities
3. Self Defence courses and exercises imparted.
4. The programmes like gender sensitization, freedom for women equity, safety and security through technology conducted regularly.

1. Proper management of biodegradable waste
2. Sewage treatment plant functional
3. Installation of Solar Power Panel in

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the college and Solar Water Heaters in the hostels

4. Energy audit undertaken regularly
5. The installation of solar lights through UBA funding in the tribal villages
6. One Bio Gas Plant functional
7. Sewage treated water being reused for gardening of lawns.

1. Inclusive environment and equal opportunity cell operational
2. Various student clubs like Fine Arts, English literary, Youth Red Cross performing actively
3. National and Regional Festivals celebrated

1. Human values and ethics are inculcated right in the first year through the student Induction
2. Programme and number of case studies are presented through various clubs

1. National Events like Republic and Independence Days celebrated
2. Programmes and activities like- NSS Day, World Environmental Day, Joy of Giving Week and National Blood Donation Day, International Women's Day, International Yoga Day functions organized.

1. Creation of interdisciplinary research groups- titled Competence Groups like Material Engineering group, Robotics group, Nanomaterial group etc.
2. Emphasis on enhancing employability skills through all round development incorporating communication and subject specific and skill specific training. Provision of foreign language

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options enhances employment opportunities.

1. There is an Industry Connect Cell headed by an experienced engineer designated as the chief officer[1] industry interface as the single point of contact to connect the departments of the institution with the industries. Major functions performed:

1. Curriculum Enrichment and syllabi development
2. Training for Industry Professionals by the Faculty of the Institution
3. . Establishment of Innovation and Research Laboratories
4. Industry Consultancy and Sponsored Research
5. A technology transfer and joint IP on a case to case basis.

Section III: OVERALL ANALYSIS based on Institutional strengths, Weaknesses, Opportunities & Challenges (SWOC) (up to 500 words)

Overall Analysis

Strength:

1. Good Industrial Connect
2. Interdisciplinary Approach to Research
3. Experienced Faculty with high retention
4. Well Diversified Governing Council
5. The trust has sound financials

Weaknesses:

1. Lower Admissions in Masters level Courses
2. Fewer Research Scholars registered having stipends
3. Lack of diversity in the student and the faculty base

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Opportunities:

1. MSMEs in the vicinity offers scope for consultancy and product development
2. Scope for inviting foreign nationals a students and faculty
3. Student Exchange programme can be strengthened
4. Providing internships to the students due to the presence of MSMEs

Challenges:

1. Intense competition due to major educational providers in the vicinity
2. Improving communication skills of the students, especially those from rural background

Section IV: Recommendations for Quality Enhancement of the Institution

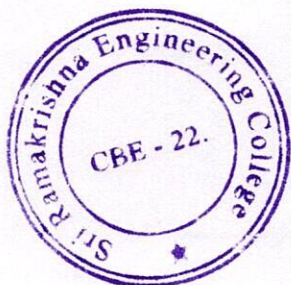
(Please limit to **ten major ones** and use telegraphic language) (It is not necessary to indicate all the ten bullets)

- Improving Accommodation Facilities for the Staff in the campus
- Enhancing the intake in the Master's and the doctoral programmes
- Enhancing the diversity base of the students and the faculty
- Faculty and Staff may be encouraged to participate in training programmes/ Workshops
- More financial autonomy to the Departments
- College may further strengthen academic MOUs with reputed institutions, both nationally and internationally
- Departments like Aeroneautical, Civil Engineering, Management needs additional support
- Increased financial outlay for the library, both at the central and departmental library

I have gone through the observations of the Peer Team as mentioned in this report

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Coimbatore- 641 022.

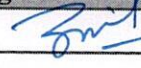
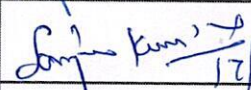
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Sl.No	Name		Signature with date
1	A K D DWIVEDI	Chairperson	 17.12.2021
2	NARAYAN SINGH PANWAR	Member Co - ordinator	
3	PROF SANJEEV KUMAR SHARMA	Member	 17/12/21
4	Dr. N R Mohan	NAAC Co - ordinator	

Place

Date

SREC, N G G O Colony, Coimbatore
17.12.2021

NAAC

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Dr. N. R. ALAMELU

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